KEY FEATURES & BENEFITS:

- 2 modules in portrait or 4 modules in landscape
- highest ground cover ratio (GCR > 50 %)
- free passage between the tracker rows
- self-locking at every post in any position
- no galloping effect due to structural concept
- no dampers required
- self-powered system / wireless communication
- easy installation due to pre-assembled components

Largest module area per motor
Up to 480 m² (4 x 120 m) module area per drive which enables the highest ground cover ratio in the market.

Independent selflocking rows with 120° rotational range
Each row has its unique and patented way of self-locking at post in every position. The widespread danger of „galloping“ is fully avoided. That gives the necessary security to your investment. A wide rotational range of 120° provides more energy during the day.

Self-powered control and drive system with wireless communication
Each row is working self-powered. A dedicated PV panel provides the power to the controller and the motor. The battery backup system ensures safety and reliability of the entire system.

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Type</th>
<th>horizontal single axis self-powered tracker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module configuration</td>
<td>2 in portrait or 4 in landscape (1000 or 1500 V DC)</td>
</tr>
<tr>
<td>Tracking range</td>
<td>120° (± 60°)</td>
</tr>
<tr>
<td>Power / modules per tracker</td>
<td>approx. 80 kWp (depending on module type), max. 240 modules</td>
</tr>
<tr>
<td>Drive system</td>
<td>24 V DC motor, self-powered system (grid powered possible on demand)</td>
</tr>
<tr>
<td>Length per tracker</td>
<td>120 m / 400 ft</td>
</tr>
<tr>
<td>Width per tracker</td>
<td>4 m / 13 ft</td>
</tr>
<tr>
<td>Height per tracker at 60°</td>
<td>4 m / 13 ft (with 0.5 m / 1.6 ft ground clearance)</td>
</tr>
</tbody>
</table>
**SPECIFICATIONS:**

- **Flood protection:** 1.2 m / 4 ft clearance for electrical components
- **Ground cover ratio:** > 50 %
- **Tracking control system:** astronomical
- **Stow position, night position:** 9°
- **Backtracking:** yes
- **Snow position:** yes
- **Maintenance position:** yes
- **Monitoring system:** Network Control Unit / SCADA interface
- **Control system:** wireless self-powered controller for each row / ZigBee communication (RS485 optional)
- **Compliance:** UL 2703 / UL 3703 / ASCE 7-10 / CE 2006/42/EC / DIN EN 62817
- **Protection class:** IP54 / IP65 / NEMA 4x
- **Material:** galvanized steel / stainless steel
- **Corrosion class:** standard C3, optional C4 or more
- **Operating temperature range:** -25 °C to +60 °C / -13 °F to 140 °F (AC-powered option)
- **-10°C to + 50°C / 14°F to 122°F (Self powered & String powered option)**
- **Foundation:** C-channel SRF7 / wide flange beam e.g. W6x7
- **Max. slope:** N-S 10°, E-W 10°
- **Max. wind speed in tracking mode (standard):** up to 56 km/h / up to 35 mph (3-sec. gust)
- **Max. wind speed in storm position (standard):** up to 167 km/h / up to 105 mph (3-sec. gust)
- **Max. wind speed in storm position (on request):** up to 257 km/h / up to 160 mph (3-sec. gust)
- **Warranty:** 10 years on structural components; 5 years on drive, battery and control systems. Extended terms available.